PATENT COOPERATION TREATY

PCT

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference S05P0063W000			ce	FOR FURTHER ACTION		See Form PCT/IPEA/416	
International application No.				International filing date (day/month/year)		Priority date (day/month/year)	
PCT/JP2005/000613			613	19.01.200	5	20.01.2004	
International Patent Classification (IPC) or national classification and IPC							
H01J61/067, H01J9/02, H01J9/04, H01J61/06							
Applicant SONY CORPORATION							
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 							
2.	2. This REPORT consists of a total of sheets, including this cover sheet.						
3. This report is also accompanied by ANNEXES, comprising:							
a. (sent to the applicant and to the International Bureau) a total of sheets, as follows:							
sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).							
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.							
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))							
, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see							
Section 802 of the Administrative Instructions).							
4. This report contains indications relating to the following items:							
	\boxtimes	Box No. I	Basis of the	report			
	Ц	Box No. II	Priority				
	Box No. III Non-establishma			shment of opinion with	ment of opinion with regard to novelty, inventive step and industrial applicability		
	Box No. IV Lack of unity of invention						
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
	Box No. VI Certain documents cited						
	Box No. VII Certain defects in the international application						
Box No. VIII Certain observations on the international application							
Date of submission of the demand					Date of completion of thi	is report	
Name and mailing address of the IPEA/JP					Authorized officer		
Facsimile No.					Telephone No.		

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/000613 Box No. I Basis of the report With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item. This report is based on translations from the original language into the following language ___ which is the language of a translation furnished for the purposes of: international search (Rule 12.3 and 23.1(b)) publication of the international application (Rule 12.4) international preliminary examination (Rule 55.2 and/or 55.3) With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the international application as originally filed/furnished the description: 4-14,16 as originally filed/furnished pages* 1,2,2/1,3,15,15/1 received by this Authority on 20.02.2006 _____ received by this Authority on the claims: as originally filed/furnished as amended (together with any statement) under Article 19 received by this Authority on 20.02.2006 _____ received by this Authority on ____ the drawings: as originally filed/furnished sheets received by this Authority on sheets* received by this Authority on sheets* a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing. The amendments have resulted in the cancellation of: the description, pages _____ the drawings, sheets/figs the sequence listing (specify): any table(s) related to sequence listing (specify): This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)). the description, pages ___ the claims, nos. the drawings, sheets/figs the sequence listing (specify): any table(s) related to sequence listing (specify): If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

- 2. Citations and explanations (Rule 70.7)
 - Document 1: JP 62-12045 A (Toshiba Corp.), 21 January
 1987, page 2, lower right column, line 1 to
 page 3, lower right column, line 8 and fig.
 1 to 3 (Family: none)
 - Document 2: JP 7-14542 A (Tohoku Erebamu Kabushiki Kaisha), 17 January 1995, paragraphs [0007] to [0010] and fig. 1 to 4 (Family: none)
 - Document 3: JP 2003-323847 A (Koito Mfg. Co., Ltd.), 14

 November 2003, paragraphs [0026], [0027] and

 [0042] and fig. 3 and 6 & US 2003/0232564 A1

 & DE 10319498 A1

Document 1 cited in the international search report discloses a fluorescent lamp equipped with a thermionic cathode that comprises a double-helical coil filament, the surface of which has been covered with an emitter, wherein the leg parts of the aforementioned thermionic cathode are connected to lead wires, the coil part of the aforementioned thermionic cathode is oriented in the longitudinal direction along the tube axis of the glass tube, and a cylindrical shield member is provided so as to cover the periphery of the aforementioned coil part.

Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Meanwhile, document 2 cited in the international search report discloses a discharge lamp equipped with a pair of discharge electrodes that are disposed on the interior of a hermetically sealed container, wherein the coil part of the filament is connected to contact plates or cylindrical members that are provided to the tips of the two lead wires. Furthermore, the two contact plates or the two cylindrical members are separated from one another in the discharge lamp disclosed in document 2.

Newly cited document 3 discloses a discharge lamp wherein the connection member is bent into the shape of the letter "L" or the like in order to increase the mechanical strength of said connection member.

The inventions set forth in claims 1, 2, 5 and 16 do not involve an inventive step in the light of documents 1 to 3.

The "contact plates" or the "cylindrical members" in the invention disclosed in document 2 correspond to the "first connection member" and the "second connection member" in the invention set forth in claim 1. In addition, the contact plates or the cylindrical members in the invention disclosed in document 2 also serve as "connection reinforcing members" for reinforcing the connections between the lead wires and the filament. Such being the case, it would not be especially difficult for a person skilled in the art to conceive of connecting the lead wires to the leg parts of the thermionic cathode in the fluorescent lamp disclosed in document 1 by means of a connection member, like in the discharge lamp disclosed in document 2. Furthermore, the issues associated with maintaining the machining strength of a connection member

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

would be obvious to a person skilled in the art, and thus a person skilled in the art could configure so that the connection members have the form that is disclosed in document 3, as appropriate.

With regards to the connection reinforcing member, claim 1 sets forth a method for the production of a "connection reinforcing member, wherein the aforementioned first connection member and the aforementioned second connection member, which have been integrated by means of a linking member, are separated by cutting the aforementioned linking member." However, the two contact plates or the two cylindrical members are also separated from one another in the discharge lamp disclosed in document 2, and thus the aforementioned production method cannot be considered to constitute a significant difference between the first and second connection parts in the invention set forth in claim 1 and the contact plates or the cylindrical members in the invention disclosed in document 2.

The inventions set forth in claims 13 to 15 are not disclosed in any of the documents that are cited in the international search report or the newly cited documents, and would not have been obvious to a person skilled in the art.